

## Comparison of Multiple Scattering and Spectrometer Momentum Measurements

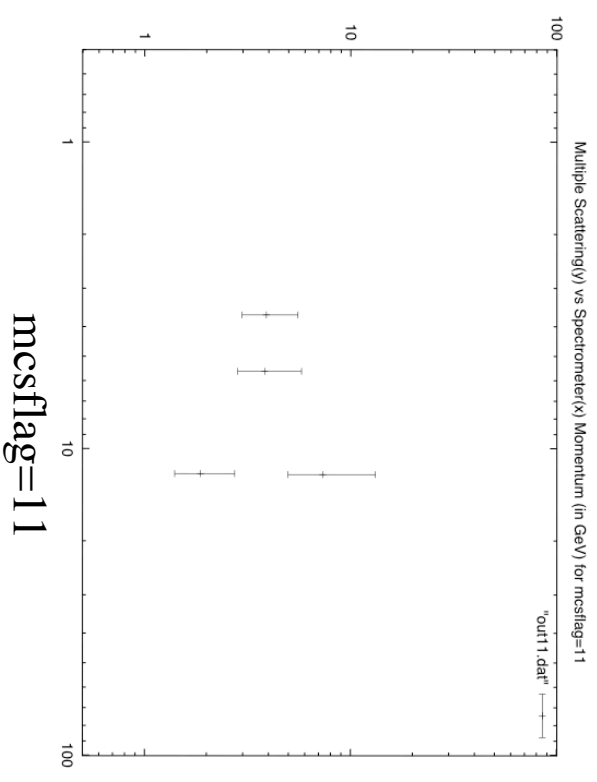
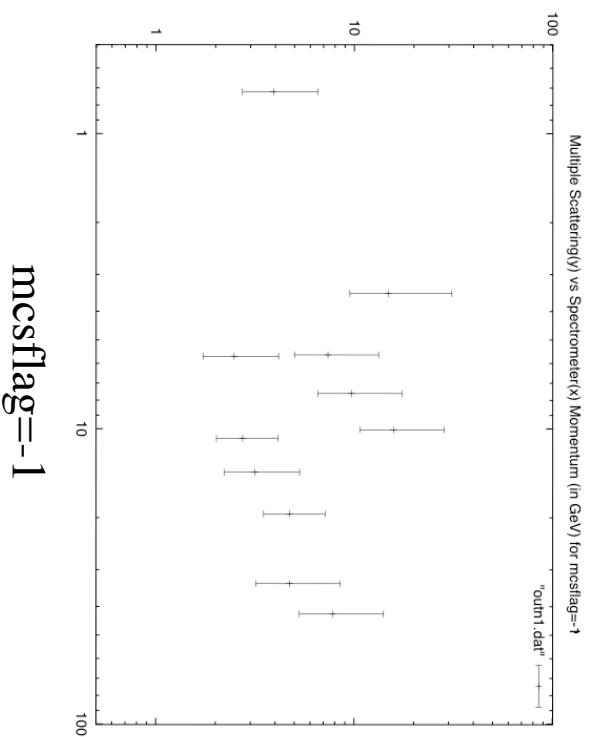
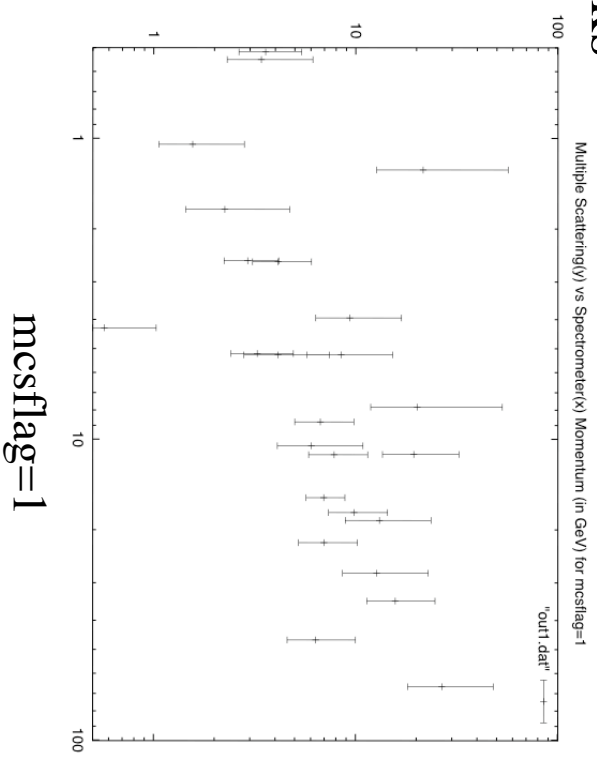
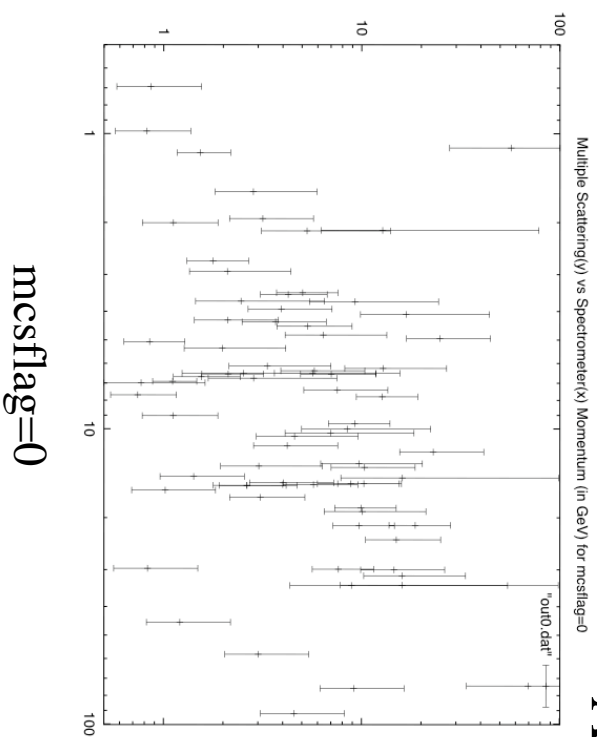
Data:

- > Multiple scattering measurements - Nonaka
- > Spectrometer measurements - Myanal (396 events)

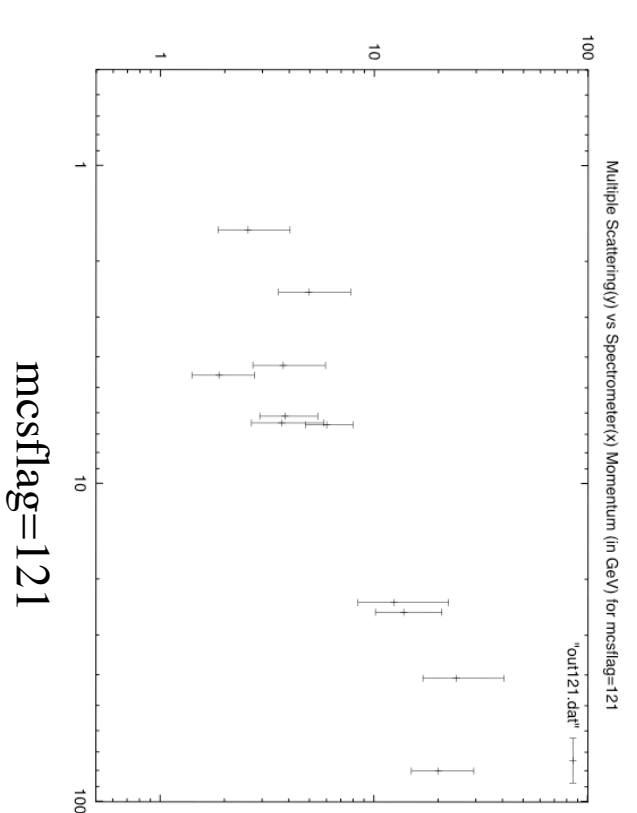
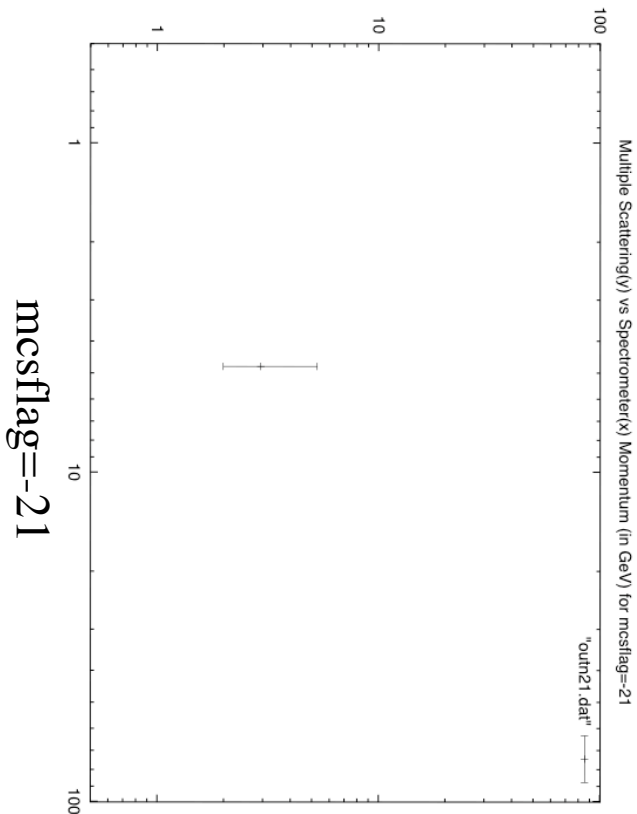
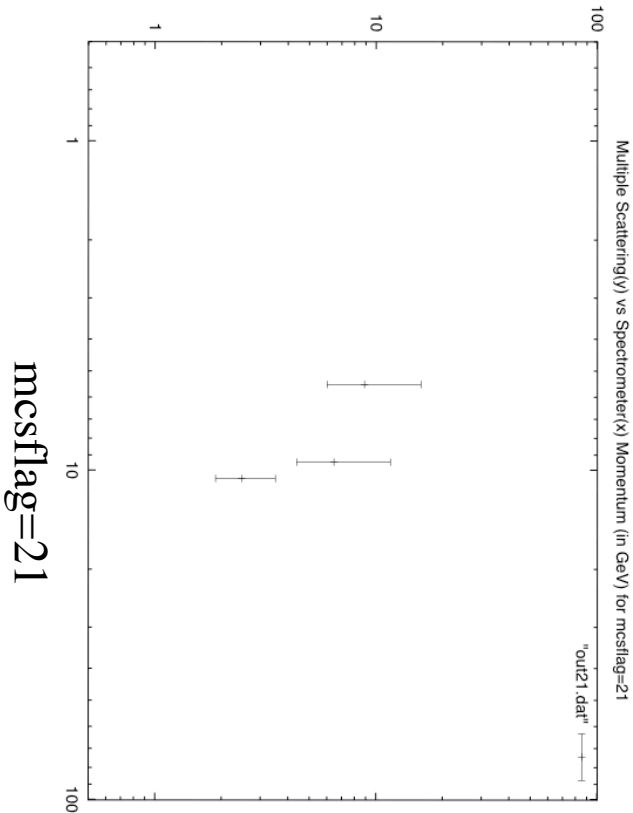
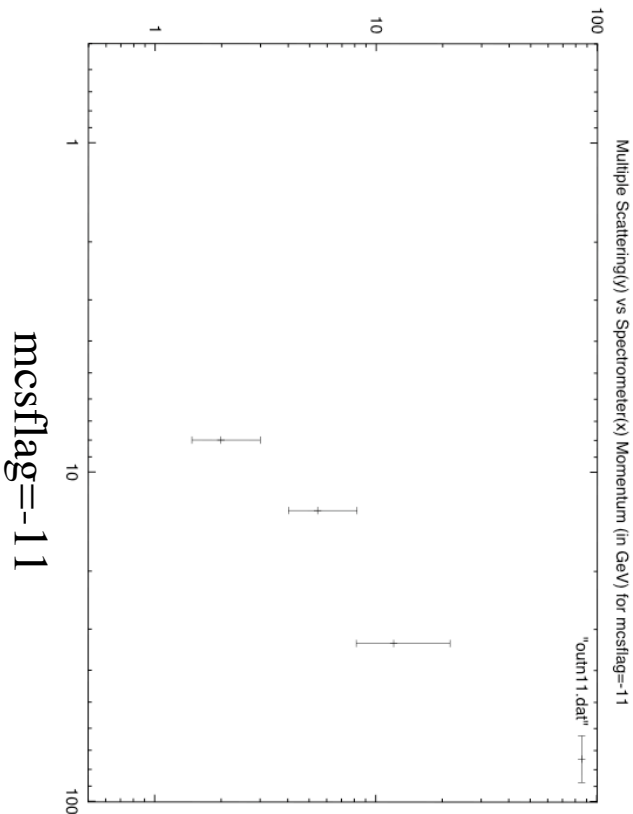
The flag “mcflag” from evlist take on the values:  
0, +/-1, +/-11, +/-21, +/-121

The value +/-1 is understood.... The others?

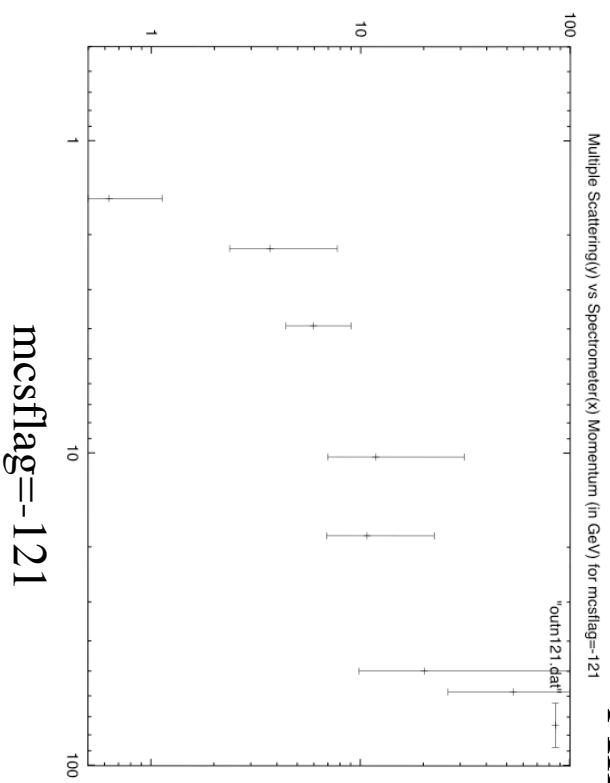
# All Tracks



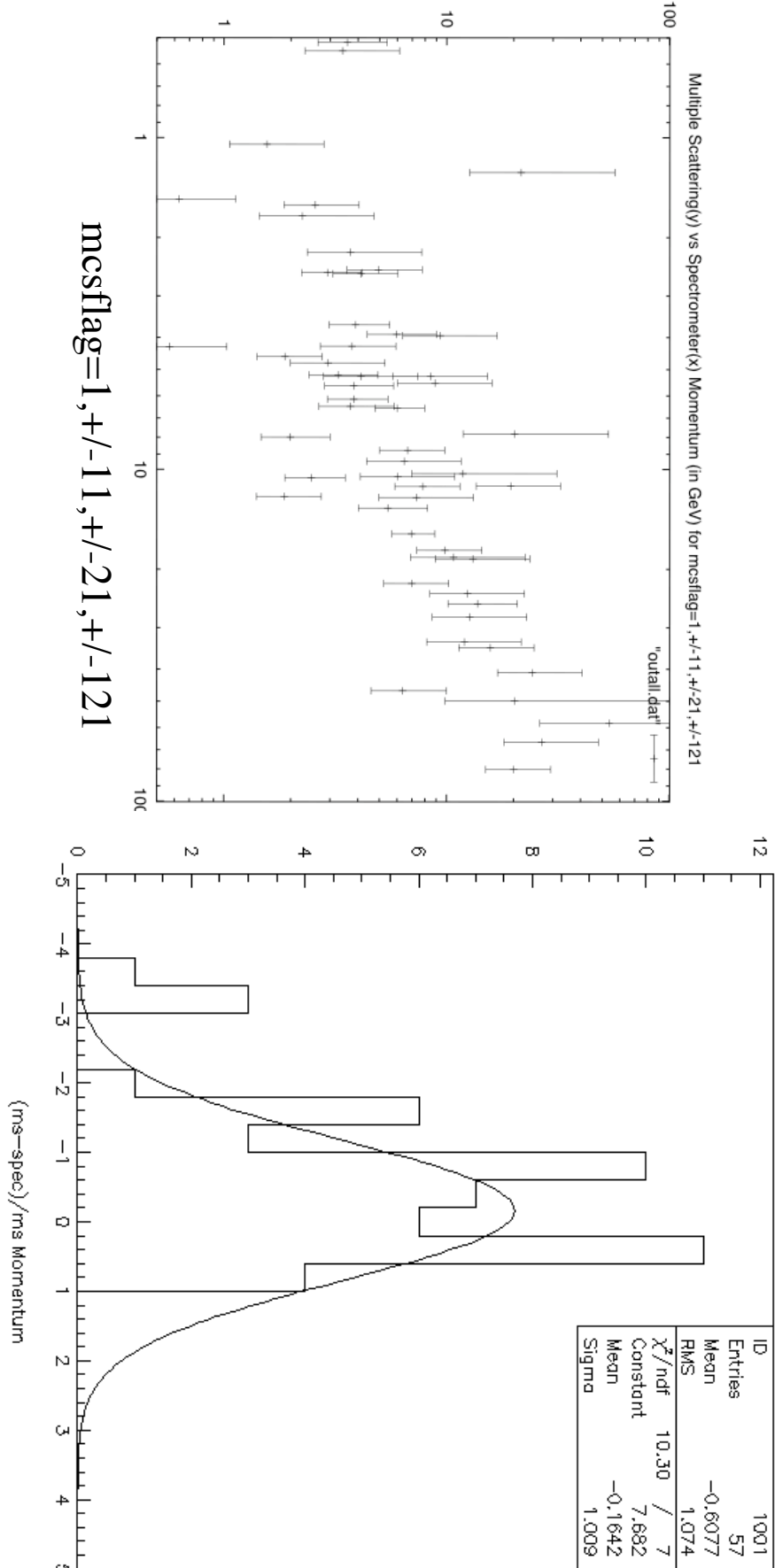
# All Tracks



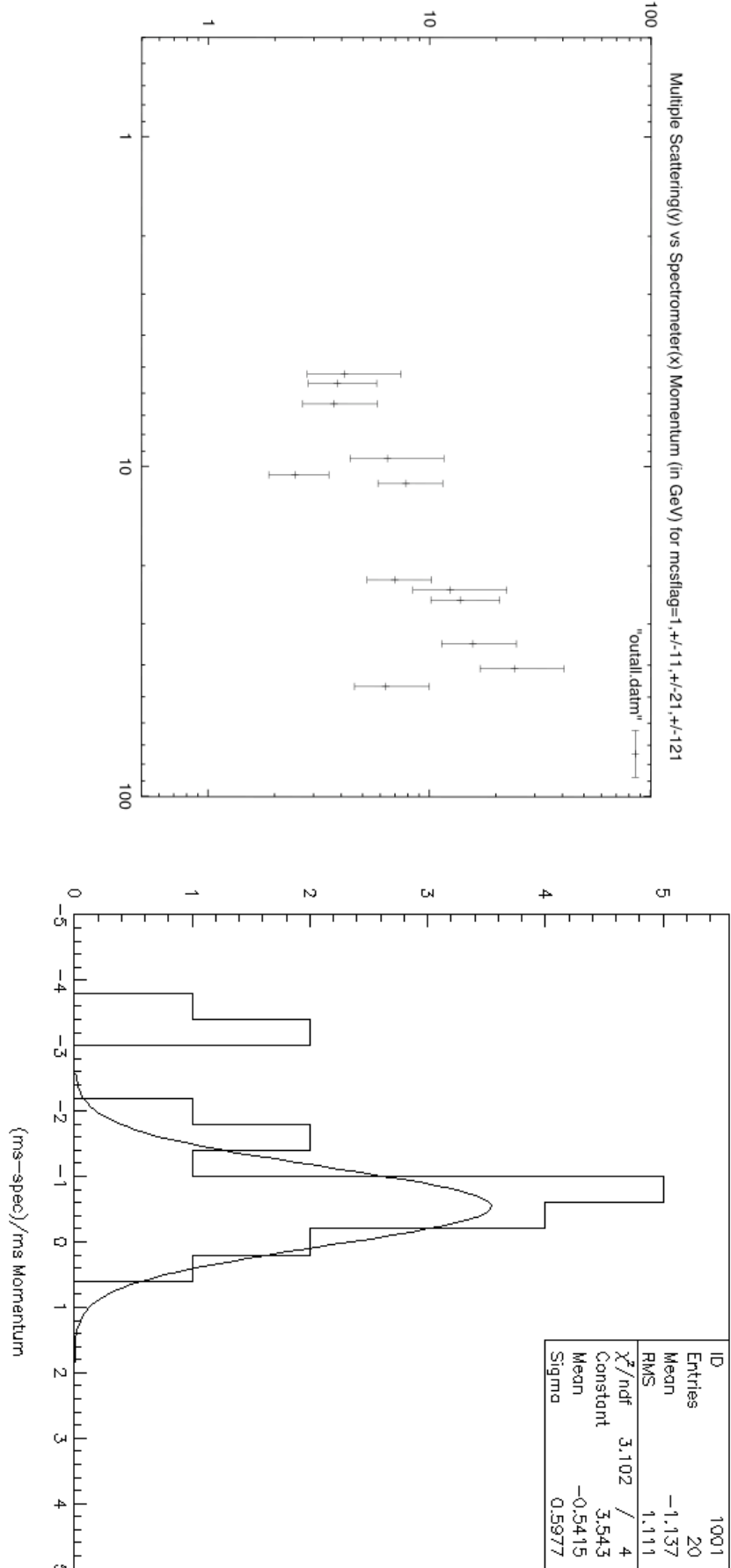
# All Tracks



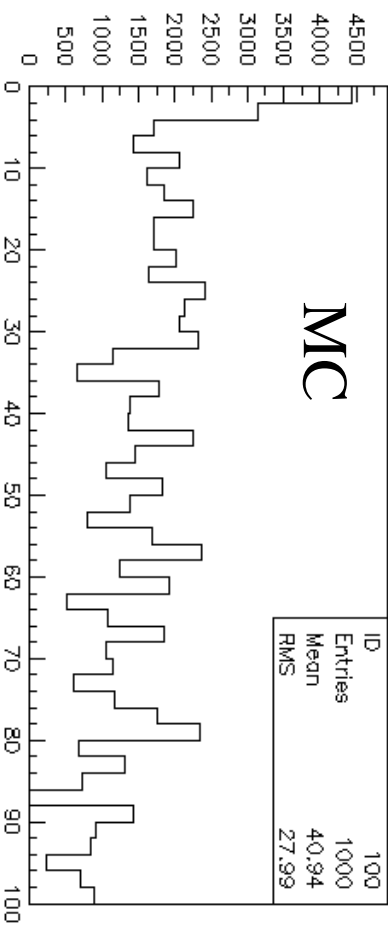
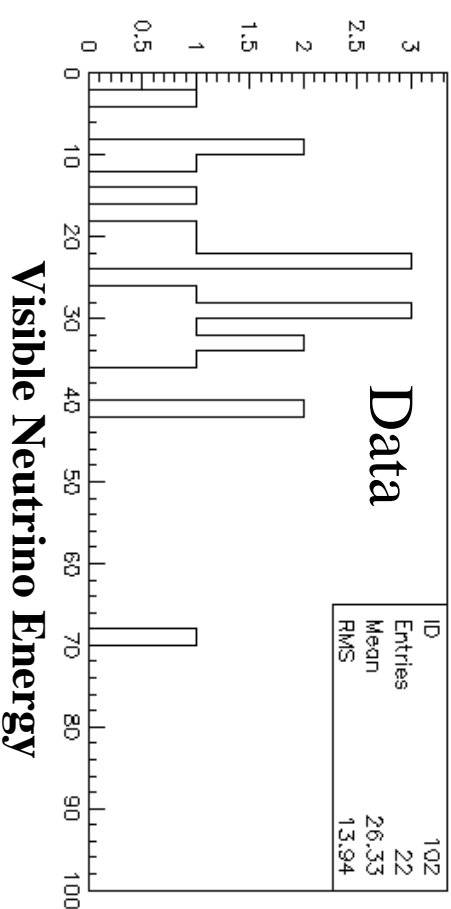
# All Tracks



# Only Muon Tracks

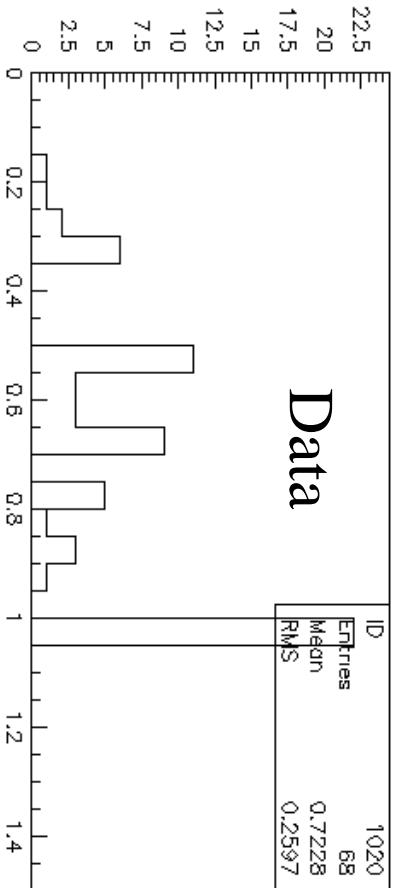


# All Events



Visible Neutrino Energy

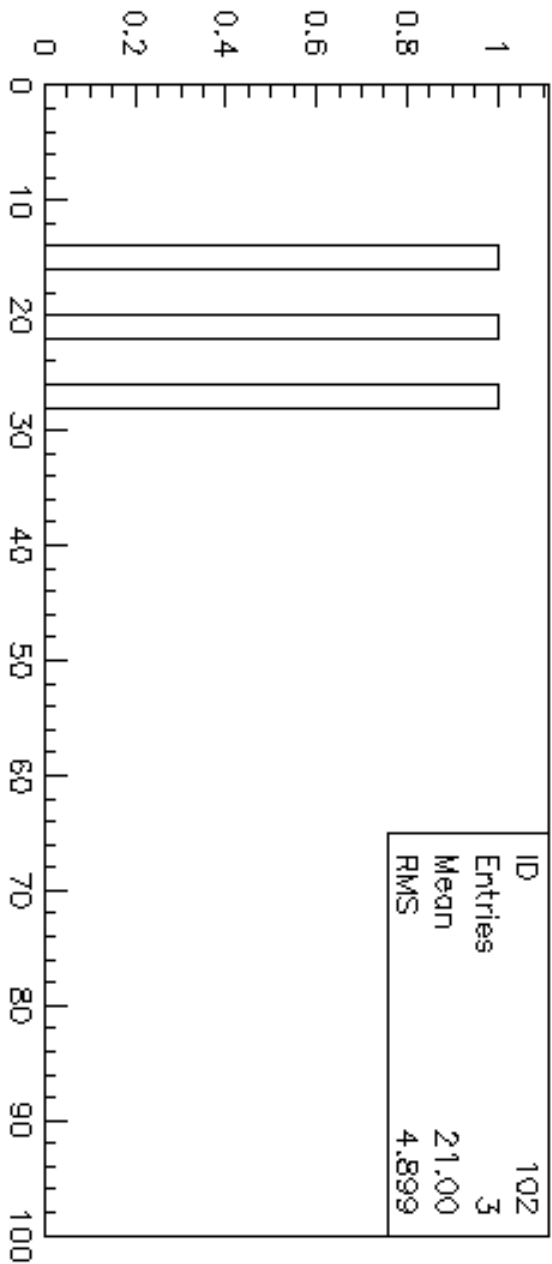
Visible Neutrino Energy



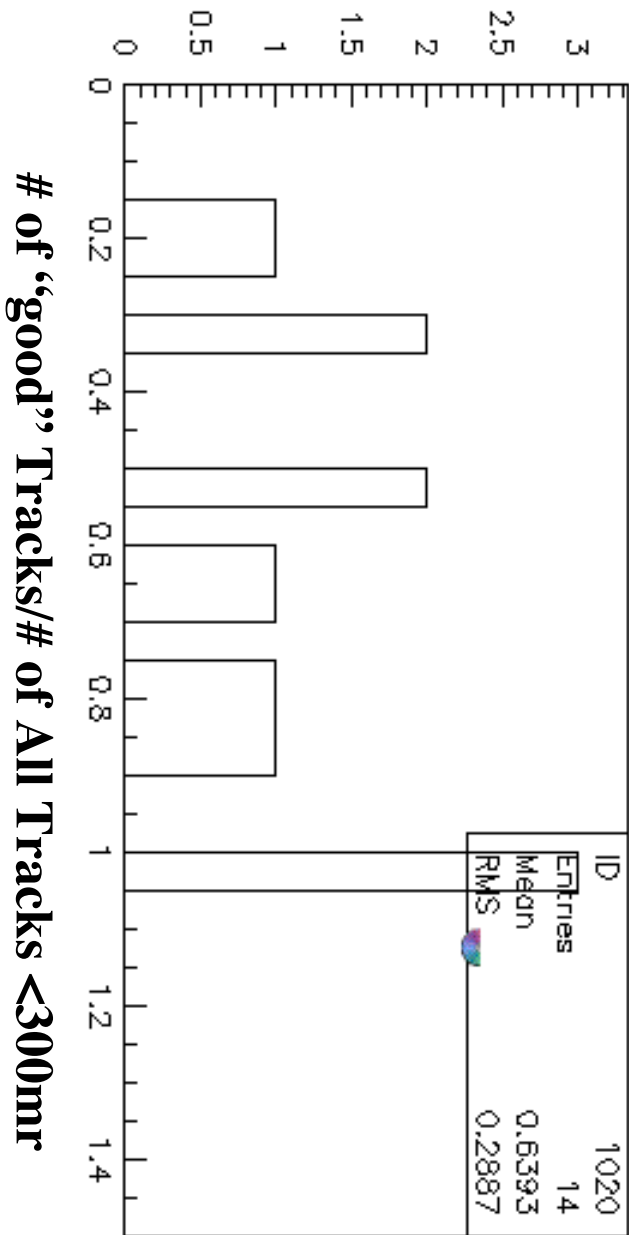
# of “good” Tracks/# of All Tracks <300mr

All tracks < 300mr

# Event which include muons



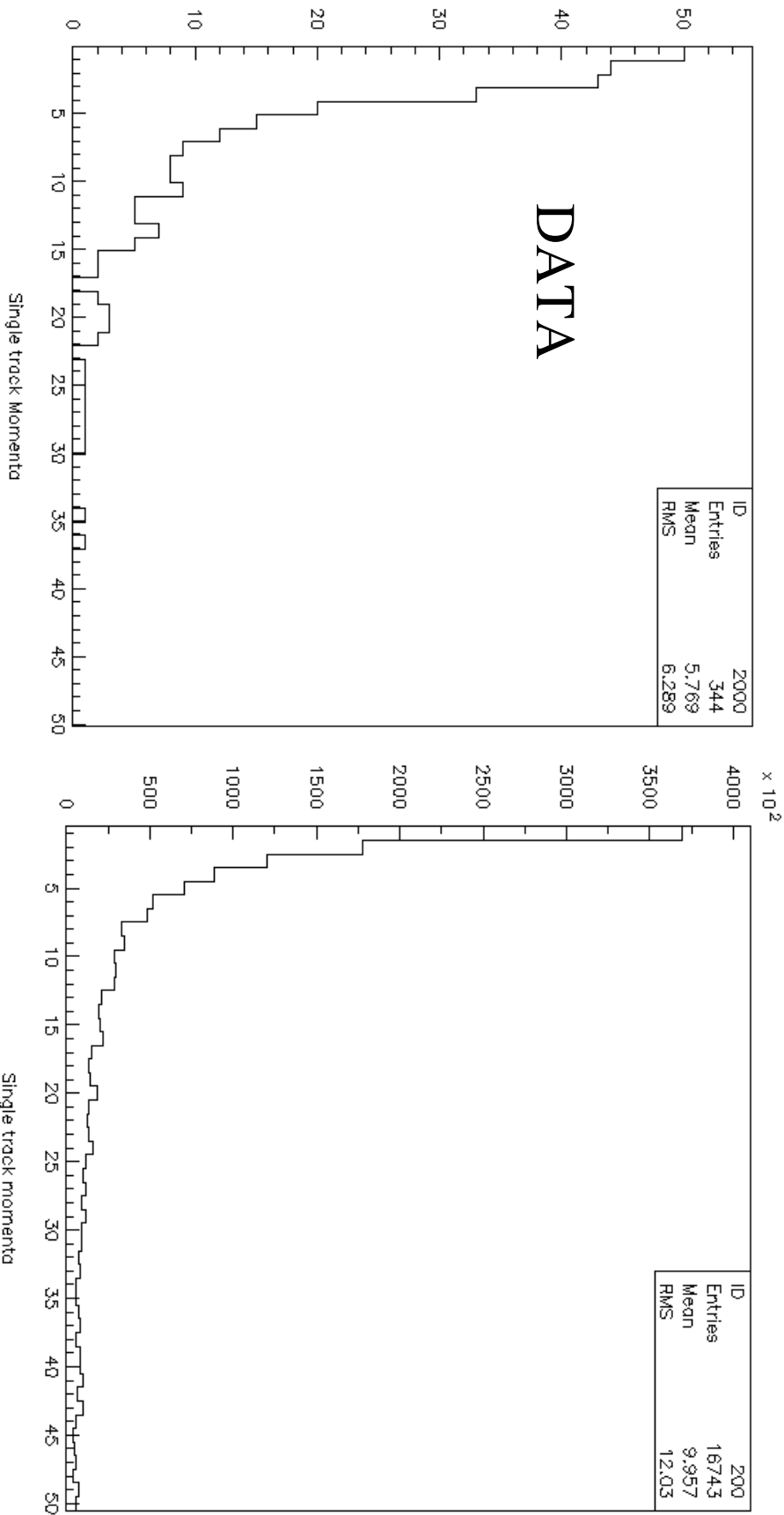
## Visible Neutrino Energy



# of “good” Tracks/# of All Tracks <300mr



# Single Track Momenta (GeV)



## Estimated Number of Special Events (Preliminary)

Number of Charm(charged): ~5 events expected, 4 observed

(fraction of charm produced= $f_c$ )(fraction of charm “dressed” as  $D^+=f_{D^+}$ )  
(fraction decaying into kinks or tridents= $f_{\text{decay}}$ )(finding efficiency =  $f_{\square}$ )  
(number of events= $n$ )

$f_c=0.07$ ,  $f_{D^+}=0.4$ ,  $f_{\text{decay}}=0.75$ ,  $f_{\square}=0.6$ ,  $n=396$

Number of  $\square$ :  $\square$  8 events expected, 7 observed

(fraction of taus produced= $f_{\text{tau}}$ )(fraction decaying into kinks or tridents= $f_{\text{decay}}$ )(finding efficiency= $f_{\square}$ )(number of events= $n$ )

$f_{\text{tau}}=0.037$ ,  $f_{\text{decay}}\sim 1$ ,  $f_{\square}=0.6$ ,  $n=396$

Number of secondary interactions: TBA